

BEAM POWER AMPLIFIER

DESCRIPTION

The GL-6005 is a miniature beam-power amplifier intended for use in medium-power audio-frequency applications. The tube is specially designed to assure dependable life and reliable service under the exacting conditions encountered in mobile and

aircraft applications. Features include mechanical ruggedization and a heater-cathode construction designed to withstand many-thousand cycles of intermittent operation.

TECHNICAL INFORMATION

GENERAL

Electrical Data		
Cathode	Coated Unipotential	
Heater Voltage (A-c or D-c)	Volts	
Heater Current0.45	Ampere	
Mechanical Data		
Peak Impact Acceleration in Any Direction	600 G	
Vibrational Acceleration in Any Direction	2.5G	(%6)
Bulb Temperature at Any Point		
Envelope	T-5½ Glass	CA travil
Base	E7-1, Miniature But-	Electronic
	ton 7-pin	TUBE
Mounting Position	Anv	. 326



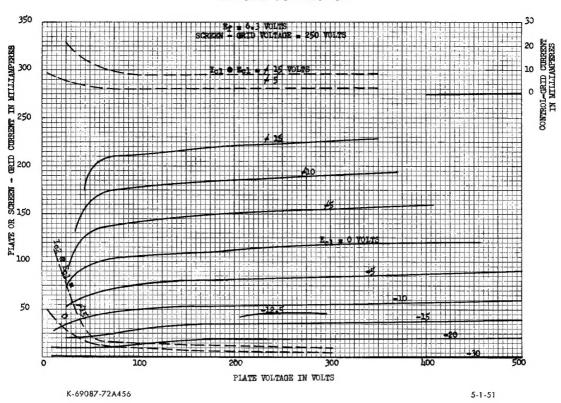


TECHNICAL INFORMATION (CONT'D)

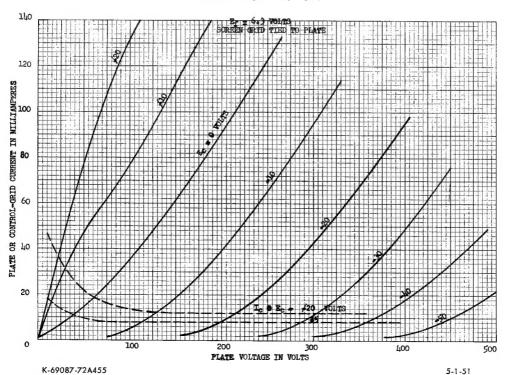
MAXIMUM RATINGS

250	Volts
	Volts
	Watts
	Watts
	Volts
0.1	Megohm
	Megohm
250	Volts
250	Volts
-12.5	Volts
12.5	Volts
52000	Ohms
4100	Micromhos
45	Milliamperes
47	M illiamperes
4.5	M illiamperes
7	Milliamperes
5000	Ohms
-	Per Cent
4.5	Watts
250	Volts
250	Volts
-15	Volts
30	Volts
60000	Ohms
	Micromhos
	M illiamperes
	\mathbf{M} illiamperes
	Milliamperes
	Milliamperes
-	Per Cent
	250 12 2 90 0.1 0.5 250 250 12.5 52000 4100 45 47 4.5 7 5000 8 4.5 250 -15 30 60000 3750 70 79 5 13 10000 5

AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION

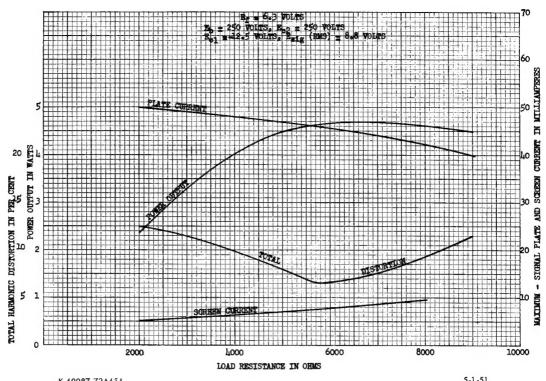


AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION

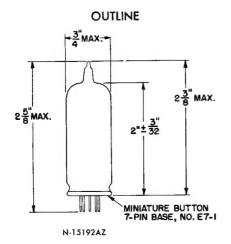


ETX-265 PAGE 4 6-52

OPERATION CHARACTERISTICS PENTODE CONNECTION



K-69087-72A454 5-1-51



BASING DIAGRAM



7BZ

PIN I - GRID #1
PIN 2 - CATHODE AND GRID #3
PIN 3 - HEATER
PIN 4 - HEATER
PIN 5 - PLATE
PIN 6 - GRID #2 (SCREEN)
PIN 7 - GRID # 1

3-30-51

Tube Department



Schenectady, N. Y.